BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- ***Improvements to Roads, Drains and Asphlting to Roads in Vinayaka layout 3rd Cross, 1st Stage in ward no. 7, Byatarayanapura***

							ESTIMATED COST		1990000.00
Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
1	Removing BS Slab of drain and stacking.						Sqm		
	(P.No.28, I.No.5.32 of PW,P&IWTD S.R 2012-13								
	4th Cross		1x2	160	1.65		528.00		
	5th Cross		1x2	275	1.65		907.50		
							1435.50	44.47	**63843.00**
	Basic Rate Rs.	41.18							
	Add 8% A.W Rs.	3.29							
	Total Rate Rs.	**44.47**							
2	Refixing stone slabs of drains and pointing in CM 1:3.						Sqm		
	(P.No.28, I.No. 5.33 of PW,P&IWTD S.R 2012-13								
			Qty Same as I.No.1 (80%)				**1148.40**	63.00	**72345.00**
	Basic Rate Rs.	58.33							
	Add 8% A.W Rs.	4.67							
	Total Rate Rs.	**63.00**							
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (7.50cms thick)						Sqm		
	(P.No.28, I.No.5.31.1 of PW,P&IWTD SR 2012-13								
			Qty Same as I.No.1 (20%)				**287.10**	315.36	**90540.00**
	Basic Rate Rs.	292.00							
	Add 8% A.W Rs.	23.36							
	Total Rate Rs.	**315.36**							
4	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3.						Cum		
	(P.No.150, I.No.19.1 of PW,P&IWTD S.R 2012-13								
	4th Cross		1	160	8.00	0.2	256.00		
	5th Cross		1	275	8.00	0.2	440.00		
							696.00	58.32	**40591.00**
	Basic Rate Rs.	54.00							
	Add 8% A.W Rs.	4.32							
	Total Rate Rs.	**58.32**							
5	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. (167, I.No. 19.64) SR 2012-13						**Sqm**		
	4th Cross		1	160	8.00		1280.00		
	5th Cross		1	275	8.00		2200.00		
							3480.00	**3.78**	**13154.00**
	Basic Rate	**3.50**							
	Area Weightage @ 8%	**0.28**							
	Total	**3.78**							
6	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. (P. 167, Item No. 20.18) SR 12-13						**Cum**		
	4th Cross		1	160	8.00	0.2	256.00		

	5th Cross		1	275	8.00	0.2	440.00		
	Basic Rate Rs.	981.00					**696.00**	**1059.48**	**737398.00**
	Add 8% A.W Rs.	78.48							
	Total Rate Rs.	**1059.48**							
7	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. (P. 172, Item No. 21.6) SR 12-13						**Sqm**		
	4th Cross		1	160	8.00		1280.00		
	5th Cross		1	275	8.00		2200.00		
	Basic Rate Rs.	36.70					**3480.00**	39.64	**137933.00**
	Add 8% A.W Rs.	2.94							
	Total Rate Rs.	**39.64**							
8	KSRRB M500-18. Providing and laying semi dense bituminous concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. with 80/100 grade bitumen using 40-60 HMP using mechanical paver (P. 174, Item No. 21.20.5) SR 12-13						**Cum**		
	4th Cross		1	160	8.00	0.025	32.00		
	5th Cross		1	275	8.00	0.025	55.00		
							87.00	8992.08	**782311.00**
	Basic Rate Rs.	8326.00							
	Add 8% A.W Rs.	666.08							
	Total Rate Rs.	**8992.08**							
9	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km (Page No.141)						Cum		
	Basic rate for haulage of materials as per item no.17.4 page 142) Rs. 2.00								
	Average weight of earth 1.28			Qty vide Item No.4			**696.00**	72.71	**50603.00**
	Basic Tate Lead Charges upto 2.00 Kms	62.20							
	2x1.28x2 =	5.12							
	Loading and unloading	67.32							
	Average Weight of earth 1.28 tone/kg for 6x1.20x2.00=12.00	5.39							
		72.71							
10	Miscelleneous & Rounding off								1282.00
	ADMINISTRATIVELY SANCTIONED FOR Rs						**Toatl Rs.**		**1990000.00**
	(Rupees:- Nineteen Lakhs Ninety Thousand Only)								

Technical Sanction for Rs. 19.90 lakh
nineteen lakh ninety thousand only
under 05-2012-13 Cum
P.172-21
registered as EE No: 302 /1213 Subject to conditions contained enclosed memo.
No: 302 /1213 Dt. 10-1-13
AE/JE
EE (BTP. Div.) 10/1/2013

Rupees Nineteen lakh ninety thousand only

Under 05-2012-13 P.172-21

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2012-13
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Registered as EE ( ) No 3 9
Subject to conditions contained in enclosed memo EE ( ) No
Estimate Administrative Sanctioned vide No 714/1213 dated 7.1.13 for Rs 19.90 lakh

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

7/1/13

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92.